

PATENTDocket No.: AT000040
Customer No. 000024737**Amendment to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A recording apparatus (3;15) for recording speech information (SI) of a dictation and for the subsequent transfer of the recorded speech information (SI) of the dictation to a speech recognition device (4;23) for off-line speech recognition, the said apparatus comprising:

—~~receiving~~ receiving means (6;16) for receiving the speech information (SI) of the dictation;

AS recording means (7;19) for recording the received speech information (SI) of the dictation in a recording mode of the recording apparatus; (3;15) and

—~~transfer~~ transfer means (8;20) for transferring recorded speech information (SI) of the dictation to the speech recognition device (4;23) in a transfer mode of the recording apparatus (3;15), which speech recognition device is arranged for recognizing text information (TI) to be assigned to the transferred speech information (SI), the quality of the recognized text information (TI) depending on the quality of the received speech information; (SI), and

comprising speech quality test means (43) for testing whether the a quality of the speech information (SI) received in the recording mode is sufficient for obtaining a predefined quality of the recognized text information (TI) when the speech information (SI) is processed by in response to the speech recognition device (4;23), which processing the speech information (SI) is transferred by the transfer means in the transfer mode, wherein the speech quality test means tests at least one selected from the group consisting of a signal-to-noise ratio of the received speech signal, a level of the received speech signal, and a velocity of speech in the received speech signal, and wherein the speech quality test means outputs a quality information signal as a

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function of testing the corresponding signal-to-noise ratio of the received speech signal, the level of the received speech signal, and the velocity of speech in the received speech signal; and

—comprising feedback means responsive to the quality information signal in the recording mode (14;25,26,27,28) for transferring feedback information (F1;F11;F12;F13) in the recording mode, which wherein the feedback information represents the at least one of a corrective measure and a result of the corresponding quality test of the speech quality test means (13).

AS
2. (Currently Amended) A-The recording device (3; 15) as claimed in claim 1, in-which wherein the receiving means (6; 16) are arranged for-receiving to receive a speech signal (SS(SI)) containing the speech information (SI) and in-which wherein the speech quality test means (13) are arranged for testing the test a signal-to-noise ratio of the received speech signal (SS(SI)) and in which, when response to the signal-to-noise ratio is too low testing below a threshold level, the feedback means (14; 25, 26) can transfer transfers respective feedback information (F1; F11).

3. (Currently Amended) A-The recording device (3; 15) as claimed in claim 1, in-which wherein the receiving means (6; 16) are arranged for-receiving to receive a speech signal (SS(SI)) containing the speech information (SI) and in-which wherein the speech quality test means (13) are arranged for testing the test a level of the received speech signal (SS(SI)) and in which, when response to the speech signal level is too low testing below a threshold level, the feedback means (14; 25, 27) can transfer transfers respective feedback information (F1; F12).

4. (Currently Amended) A-The recording device (3; 15) as claimed in claim 1, in-which the speech quality test means (13) when testing wherein responsive to the received speech information, the speech quality test means determines a (SI) are arranged for

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determining the speech velocity of the user received speech information and, when in response to a determination by the speech quality test means that the speech velocity is ~~too high~~ above a threshold value, the feedback means (14; 25, 28) ~~can transfer~~ transfers respective feedback information (F1; F13).

AS 5. (Currently Amended) A-The recording device (3; 15) as claimed in claim 1, ~~in which the speech quality test means (13) when testing wherein responsive to the received speech information, the speech quality test means determines one of an~~ are arranged for determining the understandability or and clarity, respectively, of the words of the dictation spoken by the a user and, when the user pronounces the words so that they further wherein, responsive to a determination by the speech quality test means that one of words cannot be understood or and words are too indistinct, the feedback means can transfer transfers respective feedback information (F1).

6. (Currently Amended) A-The recording device (3; 15) as claimed in claim 1, ~~in which wherein the feedback means (14; 25, 26, 27, 28) are arranged for transferring transfers~~ feedback information (F1; F11, F12, F13) which give the user that provides an indication how the quality of the received speech information (S1) can be improved by measures of the user.

7. (Currently Amended) A-The recording device (15) as claimed in claim 1, ~~in which wherein the recording device (15) is formed by~~ includes a handheld dictating machine (15).

8. (Currently Amended) A-The recording device (3) as claimed in claim 1, ~~in which wherein the receiving means (6) can be is~~ is connected for receiving the speech information (S1) ~~to via one of a telephone line (NET) or and a data line (NET), respectively.~~

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9. (New) A recording apparatus for recording speech information of a dictation and for subsequent transfer of the recorded speech information to a speech recognition device for off-line speech recognition, said apparatus comprising:

means for receiving the speech information of the dictation;

means for recording the received speech information of the dictation in a recording mode of the recording apparatus;

means for transferring recorded speech information of the dictation to the speech recognition device in a transfer mode of the recording apparatus, wherein the speech recognition device is arranged for recognizing text information to be assigned to the transferred speech information, and wherein a quality of the recognized text information depends on a quality of the received speech information;

speech quality test means for testing whether a quality of the speech information received in the recording mode is sufficient for obtaining a predefined quality of the recognized text information in response to the speech recognition device processing the speech information transferred by the transfer means in the transfer mode, the speech quality test means determining a signal-to-noise ratio of the received speech signal, determining a signal level of the received speech signal, and determining a speech velocity of words in the received speech signal; and

feedback means responsive to quality information of the speech quality test means in the recording mode for transferring feedback information, wherein responsive to one of determining a signal-to-noise ratio below a signal-to-noise threshold amount, determining a signal level below a signal level threshold amount, and determining a speech velocity above a speech velocity threshold amount, the speech quality test means provides quality information to the feedback means, further wherein the feedback information represents a quality result of the quality test of the speech quality test means and provides an indication how the quality of the received speech information can be improved.